

# CERL's Land and Heritage Conservation Branch



**Historic  
Buildings and  
Structures**



**Archaeological Sites and  
Native American Issues**



**Historic Military  
Installation Districts**



Report Documentation Page				Form Approved OMB No. 0704-0188	
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE <b>01 AUG 2004</b>		2. REPORT TYPE <b>N/A</b>		3. DATES COVERED <b>-</b>	
4. TITLE AND SUBTITLE <b>CERLs Land and Heritage Conservation Branch</b>				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) <b>US Army Corps of Engineers Engineer Research and Development Center Champaign, IL 61826-9005</b>				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT <b>Approved for public release, distribution unlimited</b>					
13. SUPPLEMENTARY NOTES <b>See also ADM002111. Department of Defense Conservation Conference. Held in Savannah, Georgia on August 22-27, 2004, The original document contains color images.</b>					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT <b>UU</b>	18. NUMBER OF PAGES <b>27</b>	19a. NAME OF RESPONSIBLE PERSON
a. REPORT <b>unclassified</b>	b. ABSTRACT <b>unclassified</b>	c. THIS PAGE <b>unclassified</b>			

# Cultural Resource Team

**Branch Chief:** Lucy Whalley

## **Historic Structures and Cultural Landscapes**

Suzanne Loechl (MLA)	Landscape Architecture
Dawn Morrison (Ph.D.)	Geography
Adam Smith (M. A)	Architecture
Megan Tooker (MLA)	Landscape Architecture
Julie Webster RA	Architecture
Susan Enscoe (Ph.D.)	Geography/Planning

## **Archaeology and Native American Issues**

Tad Britt (M. A.)	Archeology
Michael Hargrave (Ph.D.)	Archeology
Diane Mann (Ph.D.)	Native American Issues
Lucy Whalley (Ph.D.)	Anthropology

Bill Meyer (MLA)	GIS
Manroop Chawla (M.S.)	NEPA



# Military Installations are Unique in their Mission



US Army Corps  
of Engineers

Engineer Research and Development Center

# Overarching Problems

- Risk to the Mission
- Risk to the Budget
- Risk of Non-Compliance
- Risk to the Historic Resource





# Archeological Sites



# Geophysical Techniques

Magnetic  
Gradiometry



Electrical  
Resistance



Ground  
Penetrating  
Radar



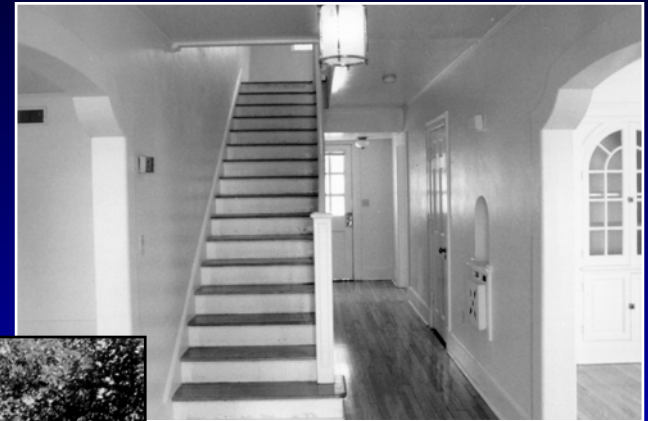


# Buildings and Structures





# Fort Bliss



# Cultural Landscapes





# USMA, West Point, NY



# Better Ways to Understand Significance & Eligibility

*Recent research efforts include:*

- **West Point Historic Viewshed Analysis**
- **Landscape Approach to Archeological Sites**
- **National Register Historic Military Installation Districts Bulletin**





# Historic Viewshed Analysis

- **Purposes:**
  - Identification**
    - Description
    - Period of Significance
    - Character-defining features

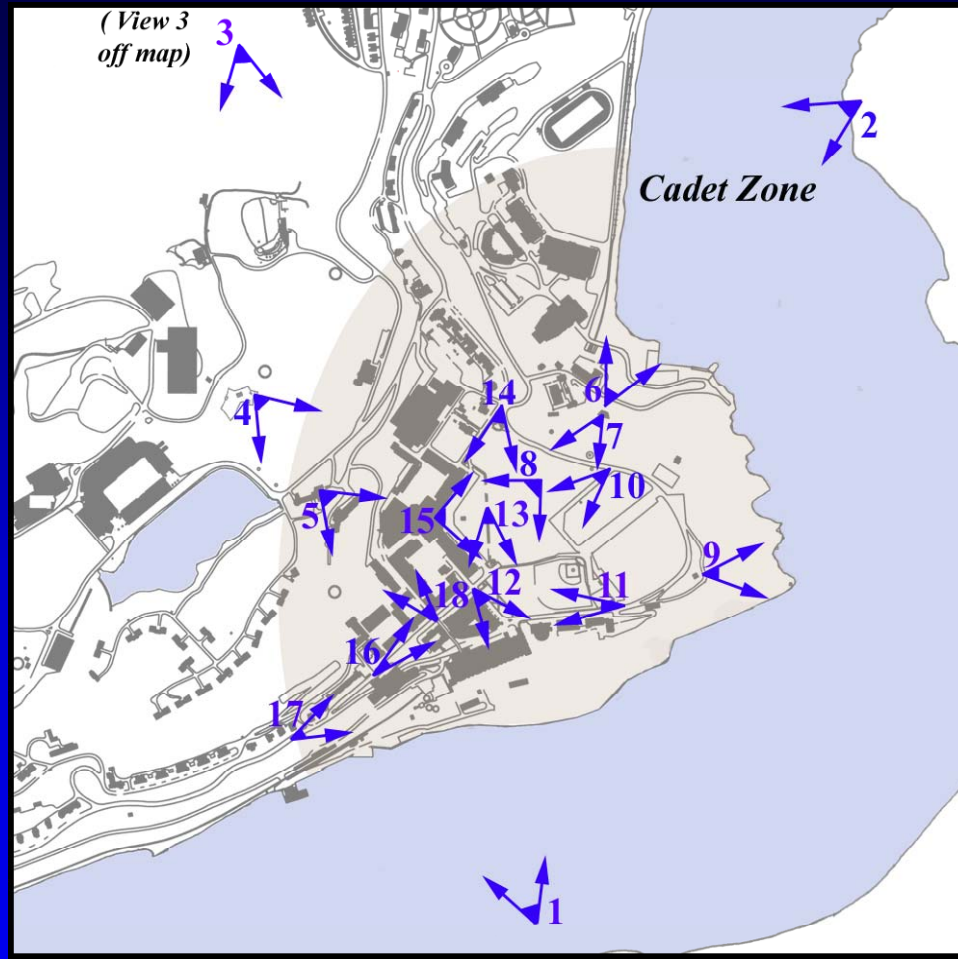


## **Assessment**

- Rating for historic significance
- Rating for integrity



# Historic Views at USMA, West Point



# Historic view southwest along Diagonal Walk, circa 1903

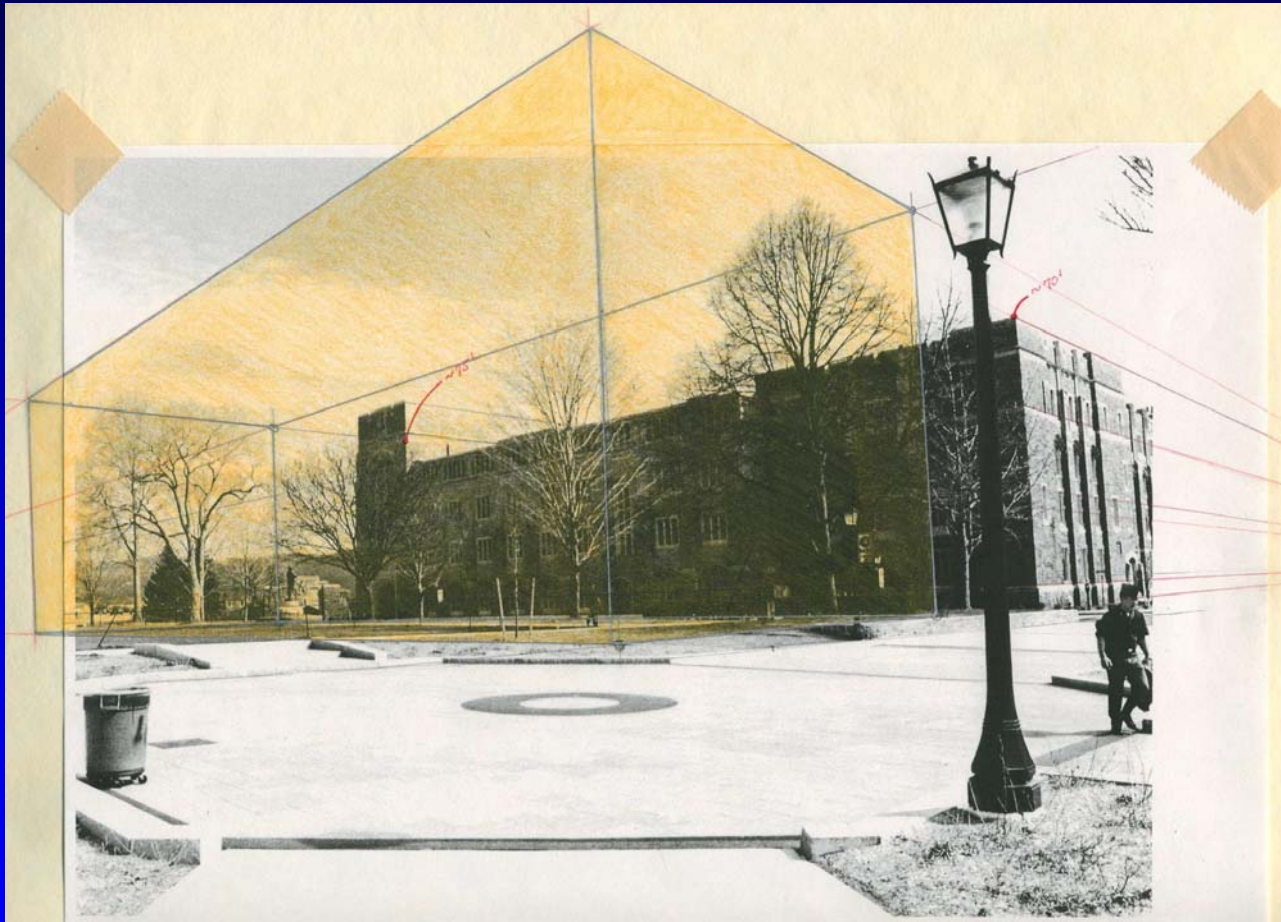


# Current image of view southwest along Diagonal Walk





# Wireframe Massing Image



# A Landscape Approach to Determining Significance of Historic Farmsteads at Fort Leonard Wood, MO

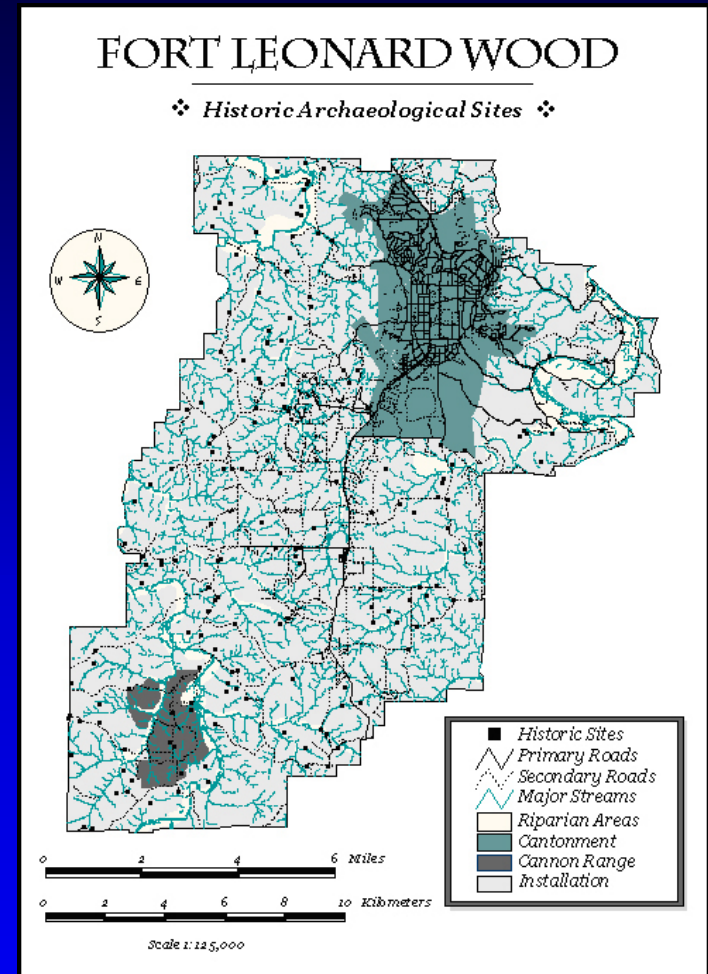


# Background and Problem

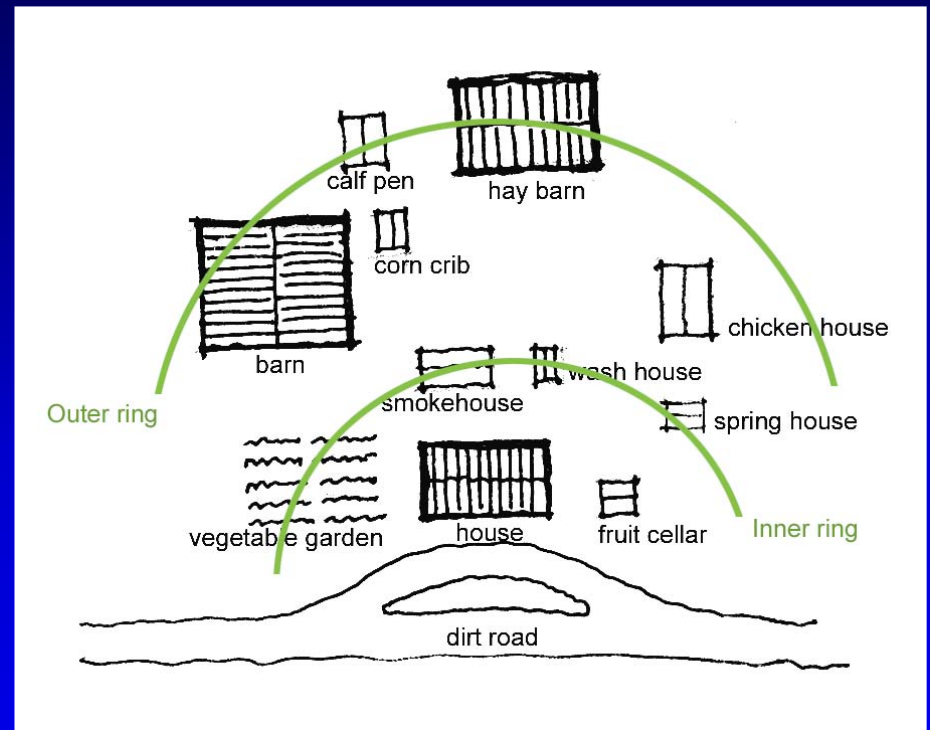
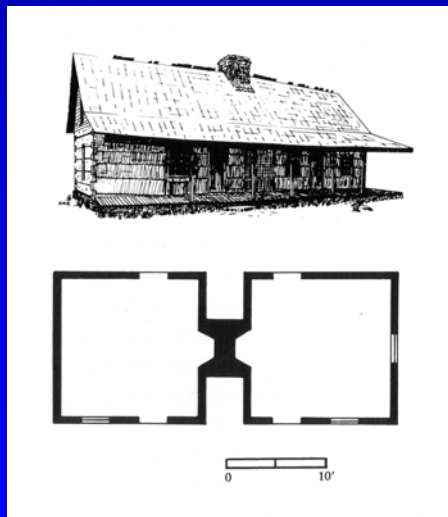
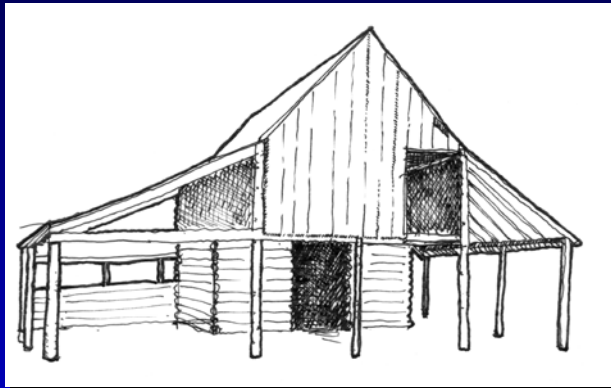
There have been 207 historic archaeological sites identified on the installation.

Needs:

- **Comply with NHPA**
- **Develop a cost effective and efficient process for determining significance**



# Architectural Characteristics





# National Register Bulletin for Historic Military Installation Districts



*Marine Corps Barracks, 1972*



*Mare Island, 1974*



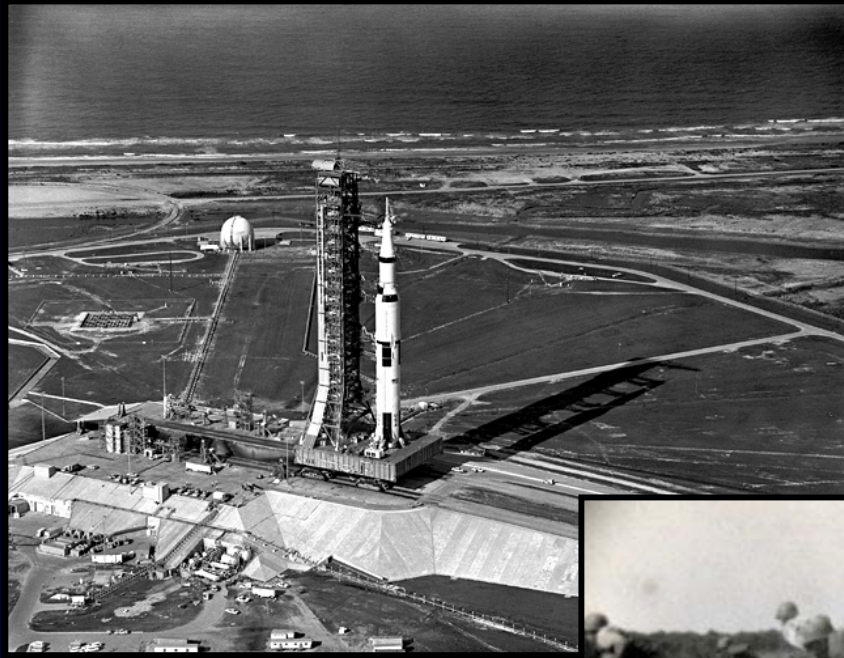
*Fort Riley, 1904*



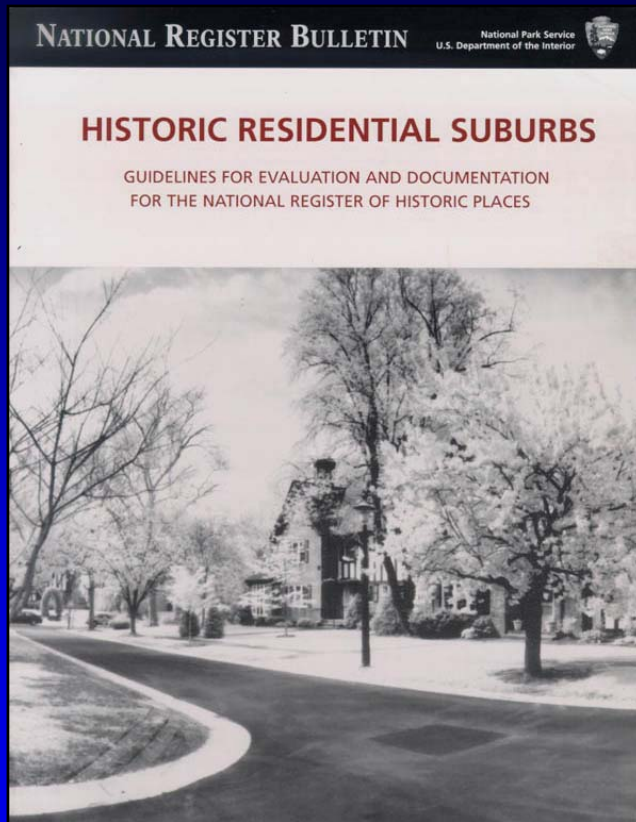
*Albrook Air Force Base, 1932*



# Individual Missions Shape Historic Military Installation Districts



# Directed Guidance



- Existing guidance does not take into account the military mission
- Inconsistent use of existing guidance





# An Integrated Approach



US Army Corps  
of Engineers

Engineer Research and Development Center



# Model Historic District Inventories

## Washington Navy Yard



*Washington Navy Yard Waterfront, 1932*

*Washington Navy Yard Waterfront, 1932*

## Camp Edwards, MA

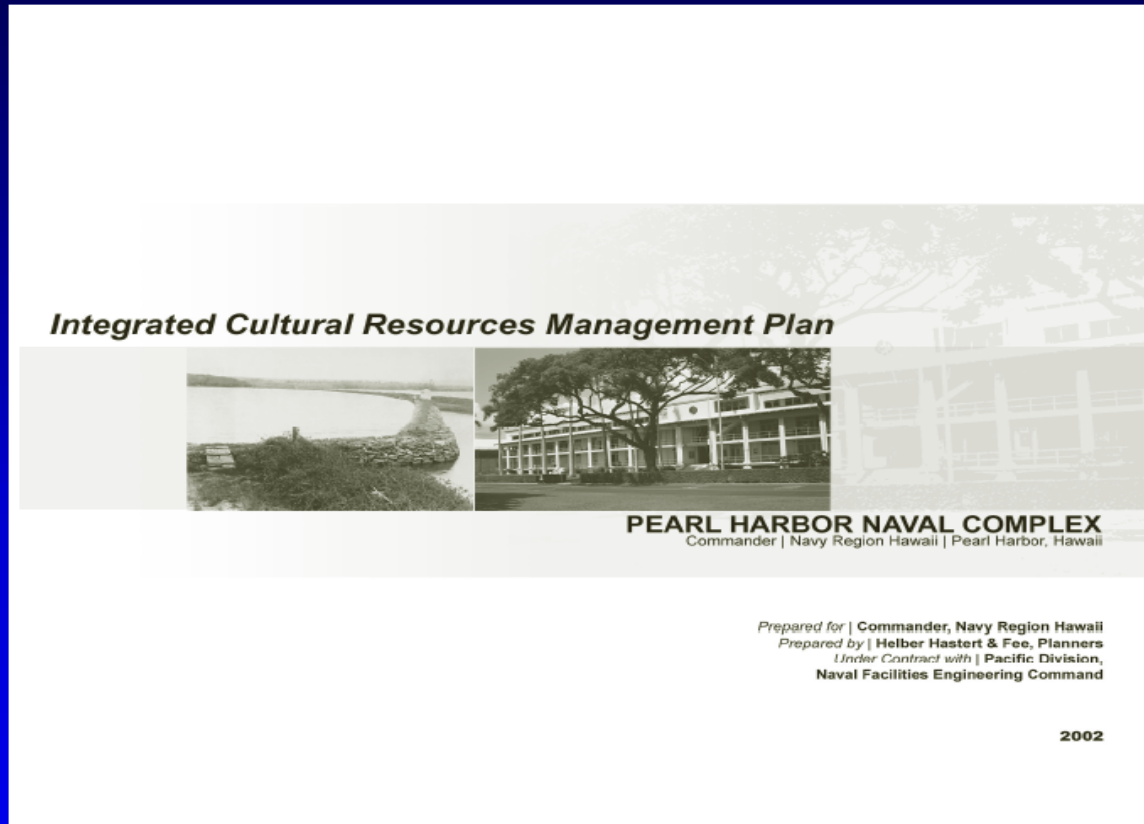


*Camp Edwards WWII Barracks*

*Camp Edwards WWII Barracks*



# Cultural Landscape Approach In Action



# Where do new ideas about eligibility take us?

- **More accurate evaluations**
- **More holistic approaches**
- **More systematic methodologies**
- **Incorporation of cultural resource data into the planning process**



# Contact Information

**Dr. Susan Enscore, Cultural Resources**

**ERDC-CERL**

**P.O. Box 9005**

**Champaign, IL 61826-9005**

**217-373-4434**

**[Susan.I.Enscore@erdc.usace.army.mil](mailto:Susan.I.Enscore@erdc.usace.army.mil)**

